

CLAIMS:

1. (Currently Amended) A window having comprising:
 - a) a window frame (2) and a casement (23), which can be moved relative to the window frame; ;
 - b) mountings (4-7) between the casement (23) and the window frame (2) for the moving of the casement (23) relative to the window frame (2); and
 - c) a handle (13) arranged on the casement (23), which handle (13) has a grip part which can be moved into different grip positions at the casement (23), in particular, can be rotated, which rotating positions correspond to different operating positions of the casement (23); ;
characterized in that
 - d) the handle (13) has one of switching elements and/or sensors, for determining the grip positions; and
 - e) one of the following controlled by one of the switch elements and sensors the handle (13) is connected in a wireless manner or by way of electric lines
 - i. with electromagnetic or electromechanical locking elements (8,9) between the casement (23) and the window frame (2),
 - ii. and/or with electromagnetic or electromechanical function elements, particularly coupling elements (10-12) for at least one or more of the mountings (5, 6, 7), and
 - iii. and/or with an electromechanical driving device for opening and closing the casement (23).
2. (Currently Amended) A window according to Claim 1, wherein having a window frame (2) and a casement (23) which is movable relative to the window frame into a rotating and a tilting position, having mountings (4-7) between the casement (23) and the window frame (2) for moving the casement (23) relative to the window frame (2) and a handle (13) arranged on the casement (23), which handle (13) has a grip part which can be moved on the casement (23) into different grip positions particularly rotatable on a grip bearing, which grip positions correspond to different operating positions of the casement (23),

characterized in that the handle (13) has one of the switching elements and/or sensors for detecting the grip rotating position as well as a manually operable switch (47) are arranged directly on the handle, for switching a drive for the tilting position, wherein the handle (13) being is connected in a wireless manner or by way of electric lines with at least one electromotive locking element (10-12) for the casement and with at least one electromotive coupling element (10-12) for the tilting bearing, and the handle (13) being connected by way of electric lines or a radio link with an electromechanical driving device for opening and closing the casement (23) into and out of a tilting position.

3. (Currently Amended) A window according to Claim 1 or 2, characterized in that wherein the handle (13) is connected with one of the locking elements (8, 9) and/or the mountings by way of now without mechanical elements, such as a gearing.

4. (Currently Amended) A window according to Claim 1, 2 or 3, characterized in that wherein the window frame (2) and the casement (23) are constructed without connecting rods.

5. (Currently Amended) A window according to Claim 1, to one of the preceding claims,

characterized in that wherein the handle (13) is designed for the manual opening and closing of the casement.

6. (Currently Amended) A window according to Claim 5, characterized in that wherein the handle (13) is designed for the manual opening and closing of the casement into and out of a rotating position.

7. (Currently Amended) A window according to Claim 6, characterized in that wherein the handle (13) (is designed with?) includes a manually operable switch (47) for operating an electromechanical driving device at a tilt-out bracket for the automatic opening and closing of the casement into and out of a tilting position.

8. (Currently Amended) A window according to Claim 1 or one of the preceding claims, characterized in that wherein an electronic monitoring and/or control device for detecting monitoring the grip position of the handle (13) is assigned to the handle (13).

9. (Currently Amended) A Window according to Claim 8,
characterized in thatwherein the handle is connected in one of a wireless manner ~~or~~and by
way of an electric line with the monitoring and/or control device.

10. (Currently Amended) A Window according to Claim 1one of the preceding
claims,
characterized in thatincluding a rabbet space (26) is constructed between the window frame
(2) and the casement (23), and in that at least one or more of the locking elements (8-9) are
arranged and distributed in or on the rabbet space, ~~where~~ the locking elements bridge the
rabbet space and have the purpose of locking the casement (23) on the window frame (2) in
the closed position of the window, such that the at least one locking element ~~being~~is
responsive controllable in a wireless manner by way of electric lines corresponding to the
grip position of the handle (13), and ~~has~~ing an electromagnetically or electromechanically
acting closing element (27).

11. (Currently Amended) A Window according to Claim 1one of the preceding
claims,

characterized in thatwherein the function elements, particularly the coupling elements (10-
12), are designed for the engaging and disengaging of one of a pivot bearing and/or of a
tilting bearing (5) in and out of their operating position, and the function elements (10, 11,
12) being controlled in a wireless manner or by way of electric lines corresponding are
responsive to the grip position of the handle (13).

12. (Currently Amended) A Window according to Claim 1one of the preceding
claims,

characterized bywherein one of -a the mountings, serves as a tilt-out device (7) for limiting
the tiltnability or rotatability of the casement (3).

13. (Currently Amended) A Window according to Claim 12one of the
preceeding claims,

characterized in thatwherein the electromechanical drive for the opening and closing of the
window is assigned to the tilt-out device (7).

14. (Currently Amended) A Window according to Claim 12one of the
preceeding claims,

characterized in that wherein one of the function elements (10,11,12) is assigned to the tilt-out device (7).

15. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the handle is connected in a wireless manner or by way of at least one data line with a control and/or monitoring device.

16. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein an electronic circuit is for one of switching elements and sensors assigned to the handle (13) directly on the casement (23).

17. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the electronic circuit of the handle (3) is arranged moveably mounted to the in a grip housing, particularly in the manner of a collar.

18. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the casement (23) is constructed as one of a rotating or tilting casement or and as a rotating and tilting casement.

19. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the casement (23) is constructed as one of a sliding casement or and as a parallel/tilt-out casement.

20. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the casement (23) has one of a frameless construction or and has a casement frame.

21. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the window frame (2) has a surrounding construction.

22. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in that wherein an electric circuit for the handle (13) is arranged in one of the handle (13) or in the proximity of the handle (13), thus, in the and a rabbet space, a chamber or a recess of the casement frame.

23. (Currently Amended) A Window according to Claim 16one of the preceding claims,

characterized in that wherein the electrieonic circuit and the handle (13) form a functional constructional unit.

24. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in that wherein the handle is equipped with at least one indicating device, such as a light-emitting diode, which indicates the operating and functioning condition, of one of particularly with respect to the locking devices, the mountings orand the drive.

25. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in that wherein the handle, its switch and a pertaining electronic monitoring and/or control unitdevice are designed such that the handle is used for the manual opening of the casement into a rotationally open position about the vertical axis of rotation, while the tilting takes place about a preferably lower horizontal tilting axis by means of an electromotivemechanical drivedriving device—for example, having a chain.

26. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in that wherein the an electronic switching and control unit for the electromotivemechanical drivinges device is arranged in a housing on the grip.

27. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in that wherein a multi-core cable is laid from the window frame to the casement frame, which cable is used for the voltage supply to one of the electromotivemechanical driving devicees and/or for the data transmission.

28. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that including a the electronic switching and control unit is connected by radio or by line with a higher-ranking control center.

29. (Currently Amended) A Window according to Claim 1 one of the preceding claims,

characterized in that wherein the handle is a rotating window grip (46) on whose side facing away from the casement the switch (47) is arranged one of the switches.

30. (Currently Amended) A Window according to Claim 29 one of the preceding claims,

characterized in that wherein a manually operable switch, which is accessible from the outside, is constructed on the grip.

31. (Currently Amended) A Window according to one of the preceding claims Claim 1,

characterized by including a device for remotely monitoring the position of the window grip with a grip shaft (102), in the case of which a switching gate (118) is arranged on the grip shaft (102) of the window grip which operatesing the closing mechanism for determining the position of the grip shaft, and the, specifically preferably a switching gate which is connected directly or by way of intermediately connected elements, such as at least an electric line, particularly a bus, and/or a radio link, to a control and/or monitoring device.

32. (Currently Amended) A Window according to Claim 31,
characterized in that wherein the control and/or monitoring device is arranged directly on the window grip.

33. (Currently Amended) A Window according to Claim 31,
characterized in that wherein the control and/or monitoring device is arranged at a location spaced away from the window.

34. (Currently Amended) A Window according to Claim 31, 32 or 33,
characterized in that wherein the switching gate interacts with at least one electric or magnetic sensor (111a, 111b, 111c), and the sensors (111a, 111b, 111c) are connected to the control and/or monitoring device by way of the radio connection or the electric line.

35. (Currently Amended) A Window according to Claim 31one of the preceding claims,

characterized in thatwherein the switching gate-(118) interacts with at least two sensors (111a, 111b, 111c) arranged in an angularly offset manner in the rotating direction of the grip shaft-(102).

36. (Currently Amended) A Window according to Claim 1, one of the preceding claims,

characterized in thatwherein, in the case of a rotating/tilting mounting, three sensors-(111a, 111b, 111c) are provided which are assigned to different grip positions correspondingly (closed, swiveled open, tilted open).

37. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in thatwherein the sensors are constructed as electric microswitches-(111a, 111b, 111c), and the switching gate-(118) is a mechanical gate with at least one control cam (118a).

38. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in thatwherein the sensors are constructed as magnetically operable contacts, (such as reed contacts), and the switching gate carries at least one magnet.

39. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in thatwherein the sensors-(111a, 111b, 111c) are arranged on a printed circuit board-(108) held by the bottom part-(106) of the grip mounting-(2, 6), which printed circuit board-(108) also carries a radio electronic module-(116).

40. (Currently Amended) A Window according to Claim 1one of the preceding claims,

characterized in thatwherein the sensors-(111a, 111b, 111c) as well as a radio electronic module-(116) are arranged in a backing frame on a printed circuit board-(108), which backing frame is to be inserted between thea grip housing-(6, 7) and the casement frame-(84) (32), and the printed circuit board-(108) has a passage hole-(110) for a grip shaft-(102) lengthened by the height of the backing frame.

41. (Currently Amended) A Window according to Claim 39one of the preceding claims, having a printed circuit board (108) at least partially covering the dimension area of the a grip shaft, of the grip part, and characterized in thatwherein the printed circuit board (108) has a passage opening (111) for the grip shaft (102).

42. (Currently Amended) A Window according to Claim 39one of the preceding claims, characterized in thatwherein at least one magnetic sensor (113a, 113b), preferably a reed contact, is arranged on the handleprinted circuit board (108), which reed contact magnetic sensor interacts with a magnet (120) fastened to the window frame (103).

43. (Currently Amended) A Window according to Claim 1one of the preceding claims, characterized in thatwherein the handle is a rotating window grip (46) on whose side facing away from the casement, a manually operable switch (47) is arranged.

44. (Currently Amended) A Window according to Claim 43one of the preceding claims, characterized by including a device for remotely monitoring the position of the window grip with a grip shaft (102), in the case of which a switching gate (118) is arranged on the grip shaft (102) of the window grip which operatesing the closing mechanism for determining the positin of the grip shaft, and, specifically preferably atthe switching gate which is connected directly or by way of intermediately connected elements, such as at least an electric line, particularly a bus, and/or a radio link, to a control and/or monitoring device.

45. (Currently Amended) A window according to Claim 1, comprising:

an electrical handle system which includes Handle for a window, particularly a window according to one of the preceding claims, which has a window frame (2); and

a casement (23) movable relative to the window frame, by monitoring the handle system being constructed for the manual opening and closing of the easement;

comprising:

characterized in that the handle (13) has a handle:

one of switching elements and/or sensors for determining the position of the handle; and the handle (13) being

connected in a wireless manner or by way of electric lines with one of electromagnetic or and electromechanical locking elements (8, 9) between the casement (23) and the window frame (2) and/or with electromagnetic or electromechanical function elements, particularly coupling elements (10-12), for at least one or more mountings (5, 6, 7) and/or with an electromechanical driving device for the opening and closing of the casement (23).

46. (Currently Amended) A Hhandle system according to Claim 45, characterized in that wherein the handle (13) has switching elements and/or sensors for detecting the grip rotating position as well as a manually operable switch (47) arranged directly on the handle, for switching a drive for the tilting position.

47. (Currently Amended) A Hhandle according to Claim 45 or 46, characterized in that wherein the handle (13) is fastened to the casement and is connected with the locking elements (8, 9) and/or the mountings by way of no without mechanical elements, such as a gearing.

48. (Currently Amended) A Hhandle according to Claim 45 or 46, characterized in that wherein the handle (13) has a grip collar, on which a grip is rotatably disposed, the grip collar being non-rotatably fastened to the casement, and the electric circuit in the grip collar being in an operative connection by way of electric lines or in a wireless manner with one of drives for the locking elements (8, 9) and/or the mountings and/or for the opening and closing of the window.